

Let's Play Twenty Questions Using the Student Data Visualizations

1. Find a GLOBE daily student data visualization *dot map* for current temperature. On this date, ____/____/____, how many schools reported these data? _____
2. Enlarge the map on your screen so that the contiguous 48 states fill the screen but just barely. What is the total area shown on this map? _____km x _____km. Magnification _____.
3. In which of these 48 states was the highest temperature reported on this day? _____
4. The name of the school which reported these data is: _____ in _____, _____.
5. The location of this school is: latitude _____, longitude _____.
6. How many data has this school reported to the GLOBE Student Data Archive? _____
7. Now go back to the student data visualization dot map. Look for a dot which is quite different in color from the surrounding dots. If none stand out, then look at different days until you find a dot that stands out. Is this dot colder or warmer than the surrounding dots? _____. About how many degrees different is it? _____.
8. The state in which this *anomalous* dot is located is _____.
9. The date of this datum is ____/____/____.
10. The school which submitted this data is: _____.
11. What do you think might have caused this school to report an anomalous dot?

12. How could your students communicate with this school and ask about their data? List three ways: _____, _____, _____. Which method would probably be the best for your students? _____
13. How many schools in Maryland reported rainfall data for March 26, 1997? _____
14. In how many countries did GLOBE schools report snow on the ground on Feb. 26, 1997? _____. Which country had the most such reports? _____
15. Identify two GLOBE schools which report hydrology data and which appear to be located on the same river. Their names are _____ and _____.
16. What school has the most soil moisture data? _____
17. Identify a school which has taken a soil characterization profile. The school's name is: _____ in _____, _____.

18. For which Land Cover/Biology measurements can you find visualizations of student data?_____
- _____
19. Find a GLOBE school where the cloud cover is broken clouds or overcast for most of March 1996. In what city and state or country is the school located?
_____,_____
20. What GLOBE school that has reported data is closest to the North Pole?_____in_____,_____
